

FIG.1

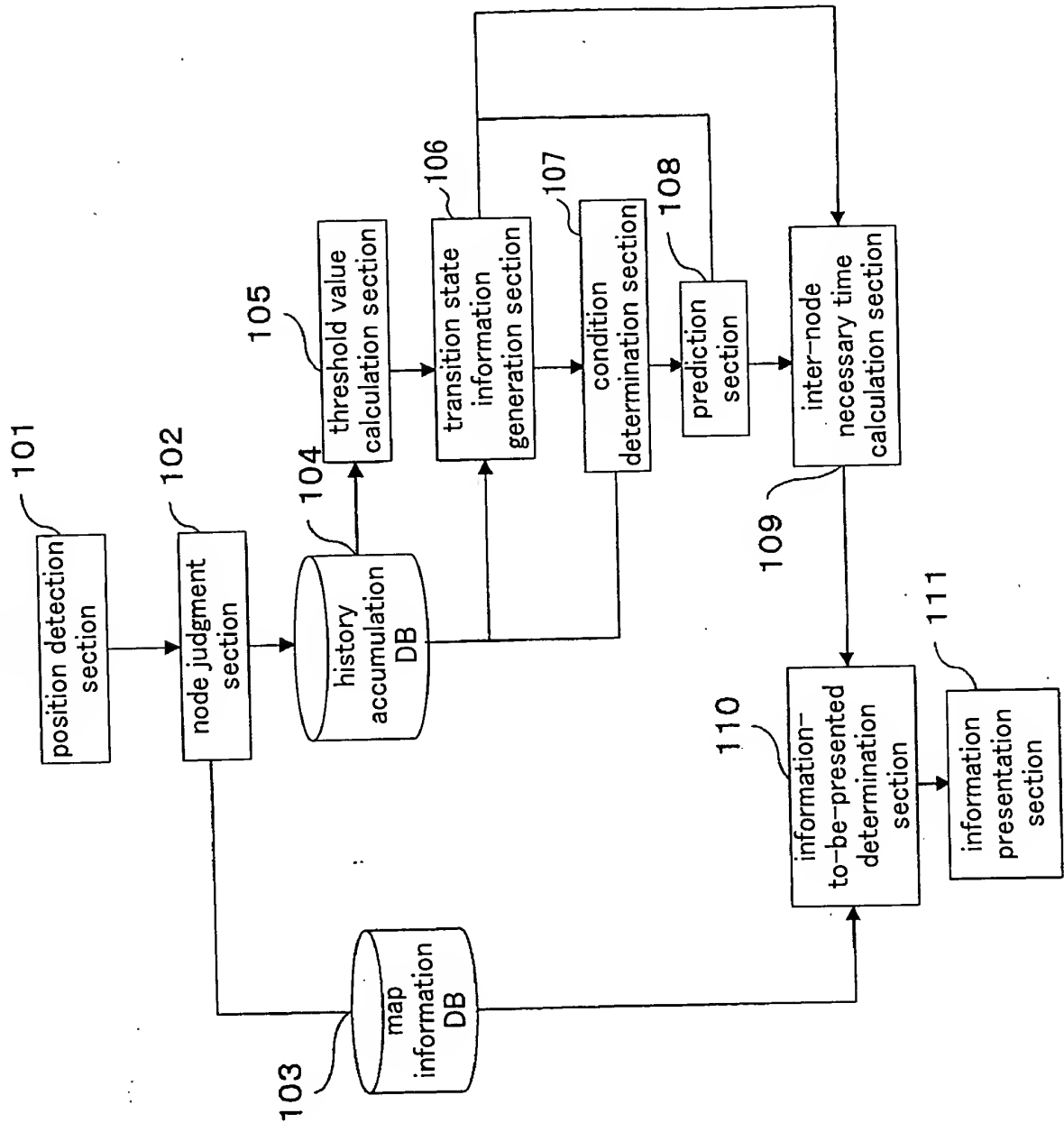


FIG.2

node number	kind/name	east longitude	north latitude
C1	intersection	135° 20' 35.45"	34° 44' 35.22"
C2	intersection	135° 24' 35.74"	34° 44' 86.5"
C3	intersection	135° 22' 6.22"	34° 44' 78.18"
C4	intersection	135° 22' 10.4"	34° 45' 60.75"
C5	intersection	135° 22' 20.0"	34° 46' 79.37"
C6	intersection	135° 20' 42.76"	34° 46' 70.48"
C7	intersection	135° 22' 35.39"	34° 47' 35.82"
.	.	.	.
.	.	.	.
L123	landmark (home)	135° 19' 48.42"	34° 42' 38.29"
L124	landmark (office)	135° 30' 22.33"	35° 12' 23.6"
.	.	.	.
.	.	.	.
A427	area (Umeda, North)	135° 29' 51.9"	34° 41' 57.0"
A428	area (Keihanna, Gakuentoshi)	135° 46' 18.80"	34° 44' 30.65"

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FIG.3

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(a)

node number	time
L6	8:05 a.m. on July 31
C8	8:06 a.m. on July 31
C12	8:08 a.m. on July 31
C9	8:09 a.m. on July 31
C34	8:11 a.m. on July 31
.	.
.	.
L128	8:53 a.m. on July 31

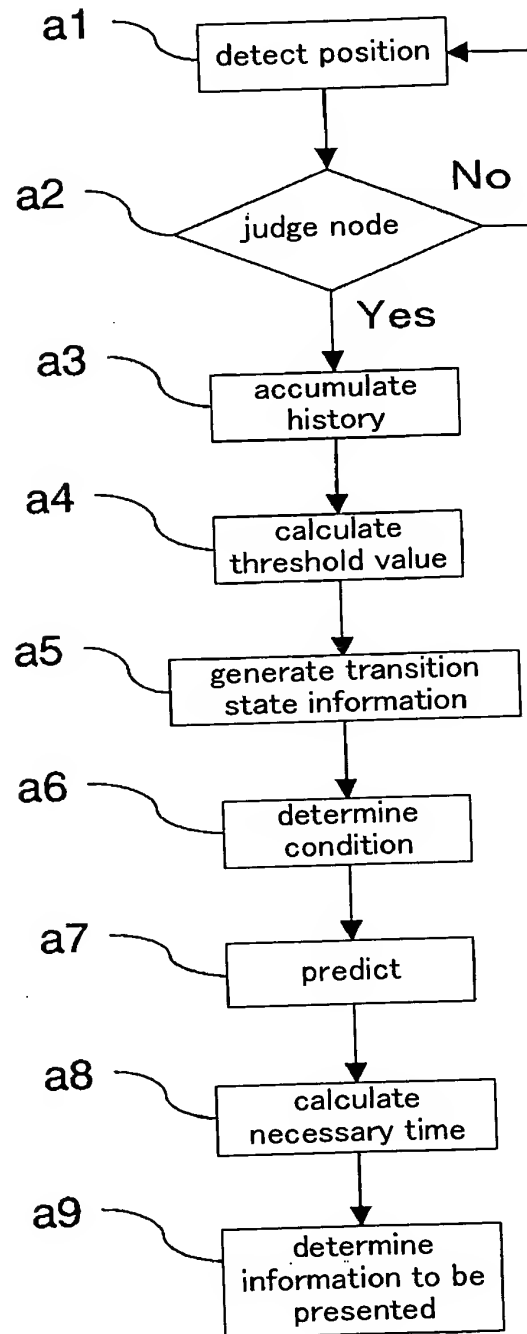
node number	time
L128	12:25 p.m. on July 31
C140	12:29 p.m. on July 31
C125	12:36 p.m. on July 31
.	.
.	.
L68	1:33 p.m. on July 31

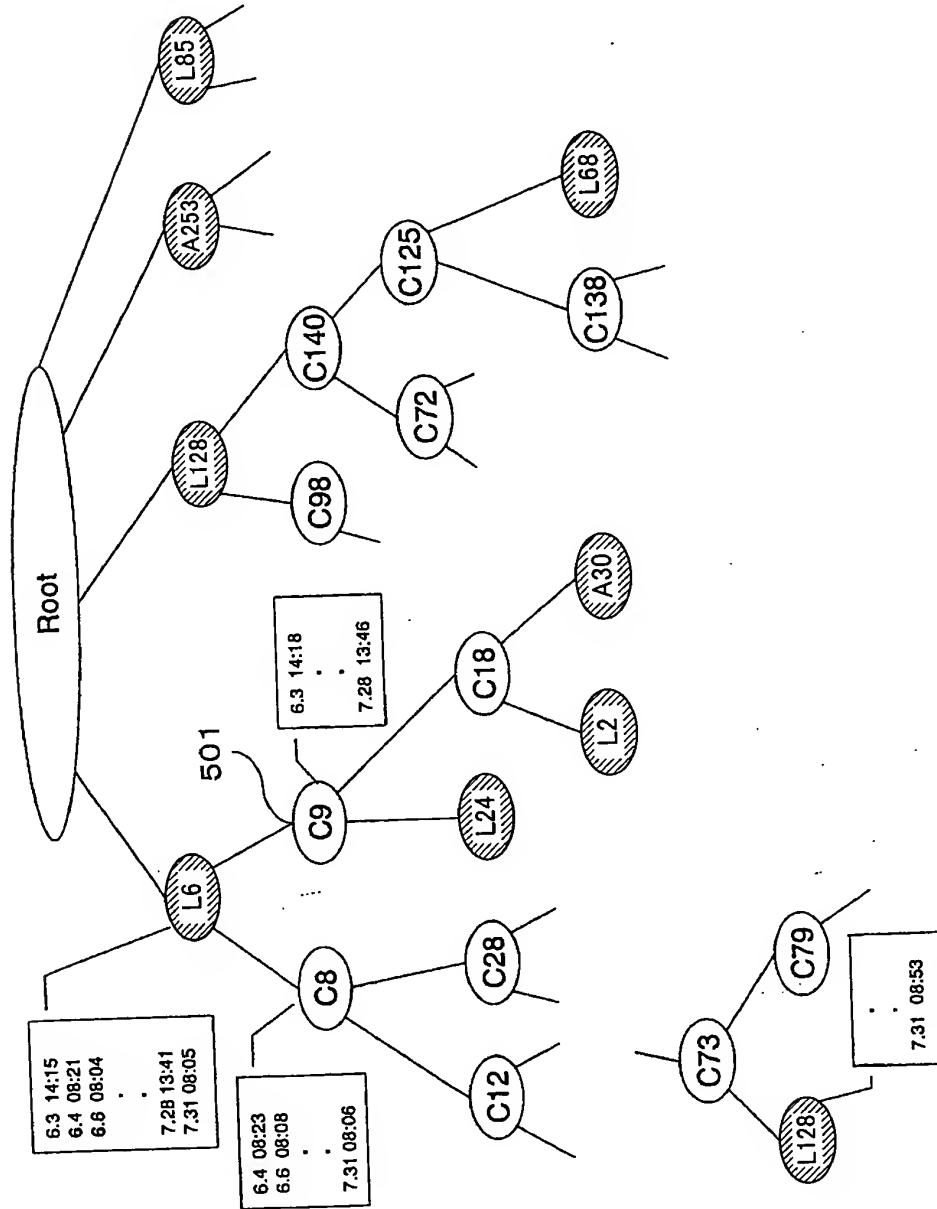
(b)

node number	time
L6	8:05 a.m. on July 31
C8	8:06 a.m. on July 31
C20	8:08 a.m. on July 31
L12	8:10 a.m. on July 31
L12	1:40 p.m. on July 31
C34	1:50 p.m. on July 31
.	.
.	.
L6	9:20 p.m. on July 31

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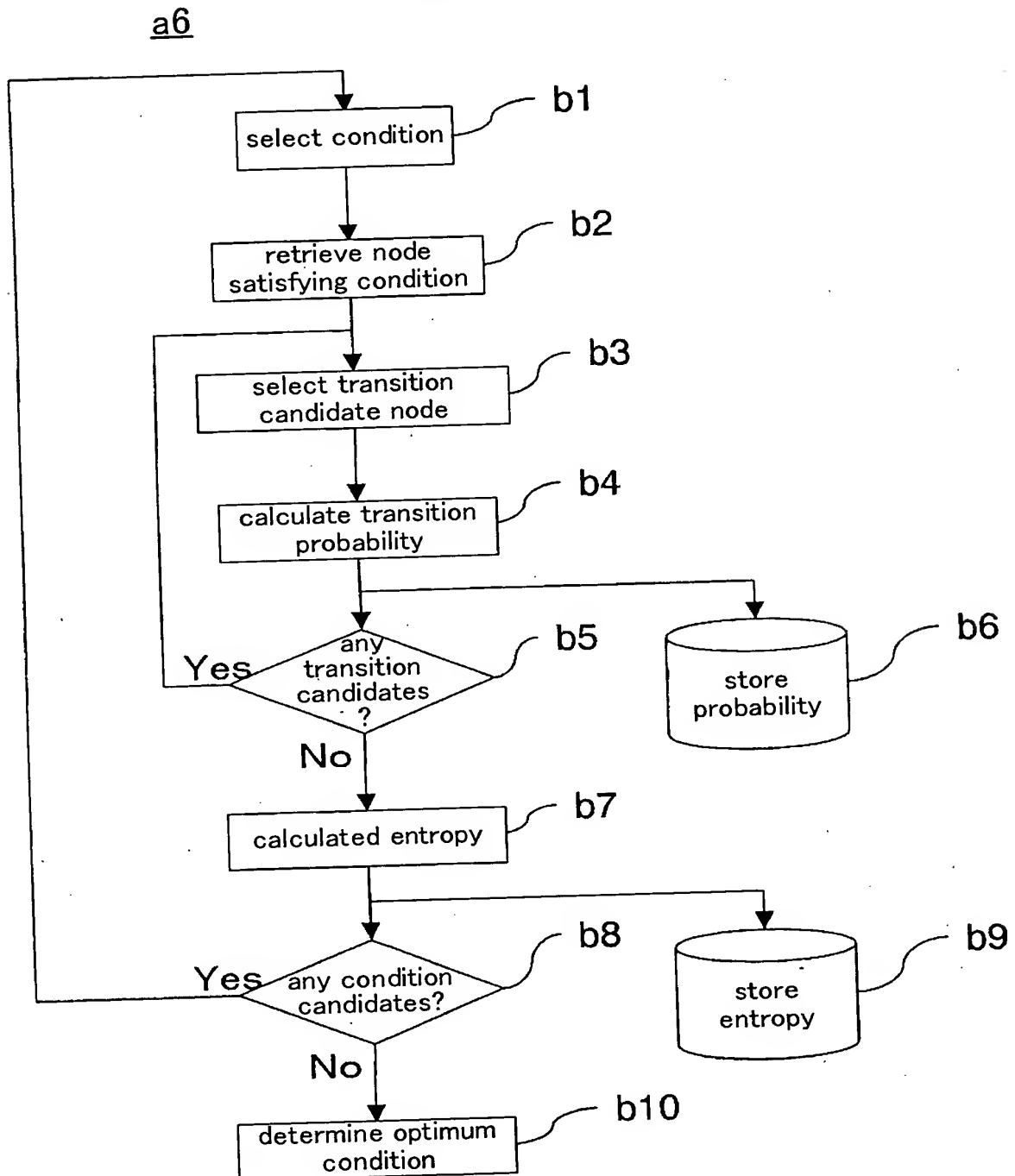
FIG.4





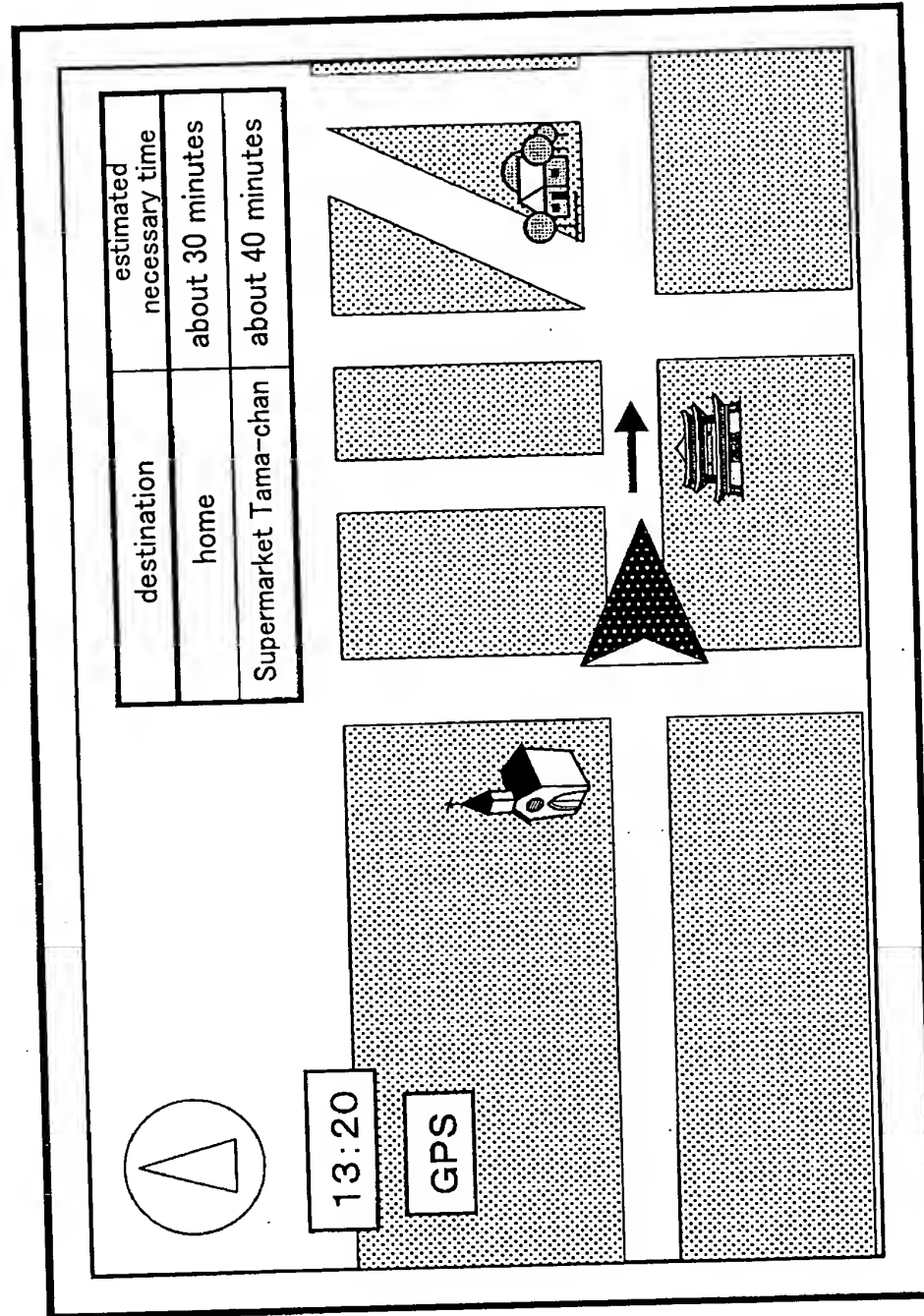
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FIG.6



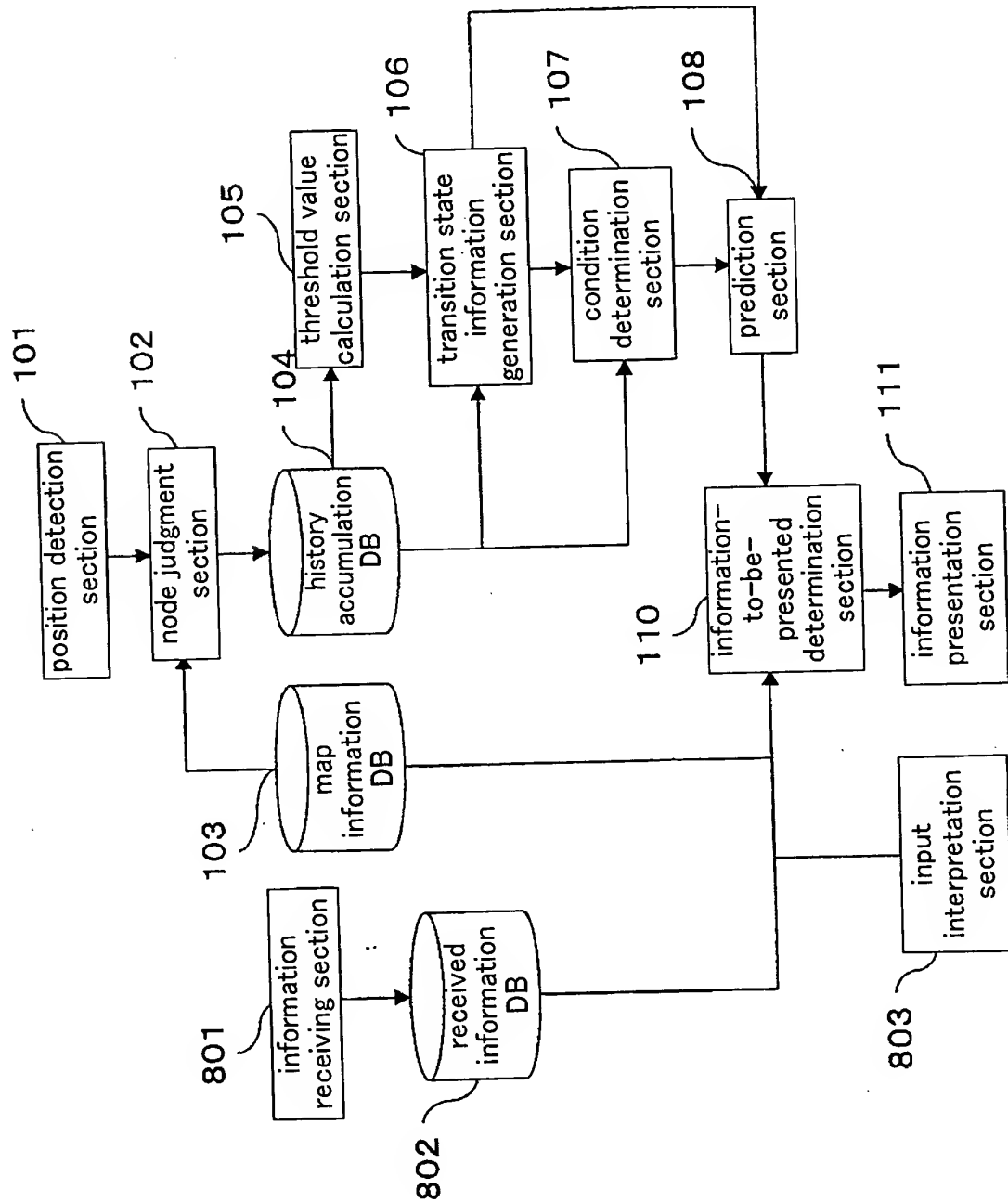
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FIG.7



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FIG.8



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FIG.9

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genre	node ID	name
supermarket	L3	C Co-op
	L52	Supermarket Tama- chan
	.	.
shopping center	L131	Kametani Golf Shop
	L40	Monoqlo Shop No. 2
	.	.
restaurant	L12	Le Yamada
	L18	Bonjour
	L77	Family Host
.	.	.
.	.	.

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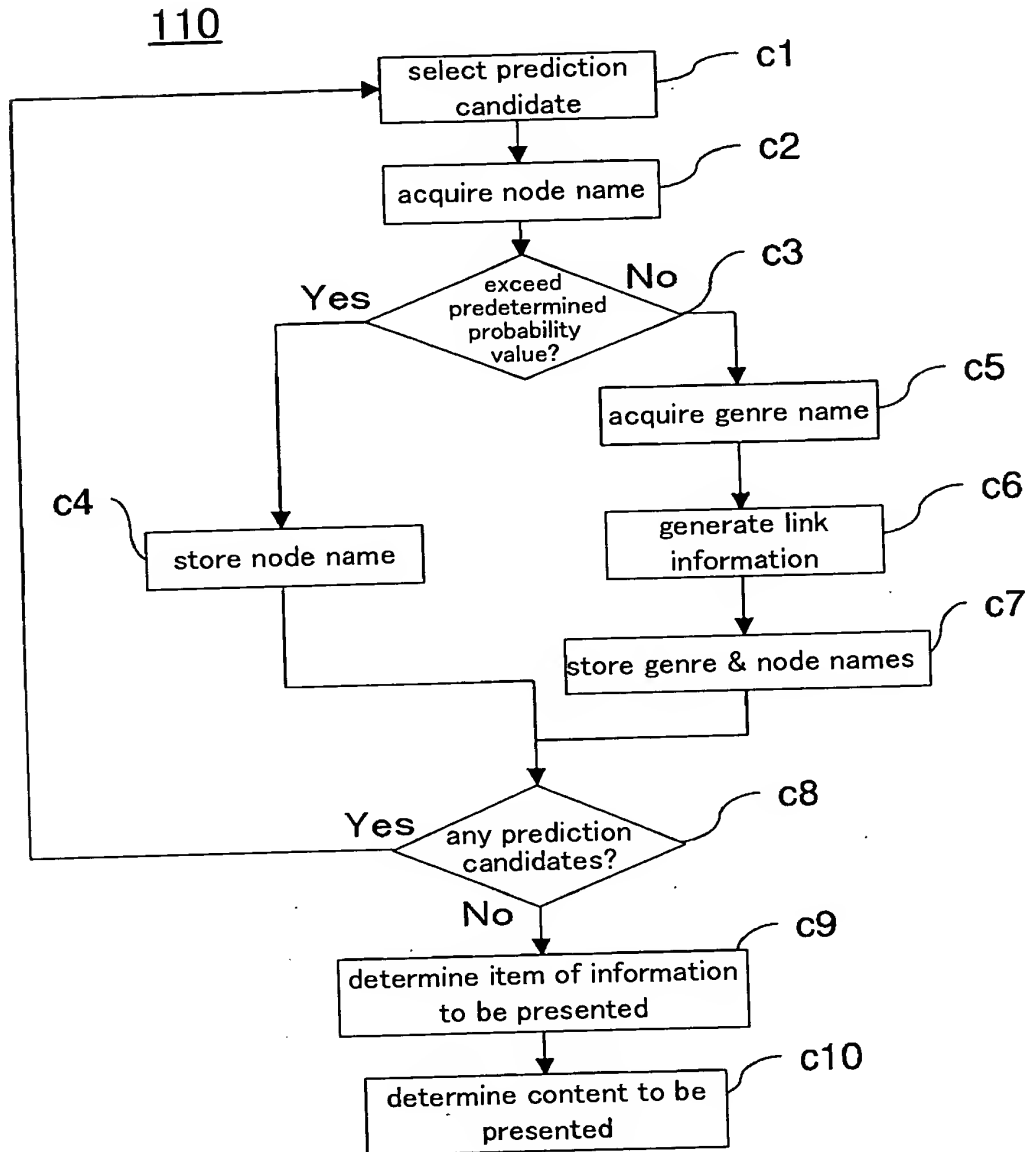
FIG.10

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name	east longitude	north latitude	detailed information	other
C Co-op	136° 48' 25.49"	34° 20' 72.67"	special sale! milk ¥120/l	Pict.jpg
Supermarket Tama-chan	137° 18' 3.6"	34° 18' 10.9"	Hokkaido produce on sale	
Kametani Golf Shop	135° 22' 80.32"	35° 8' 33.84"	present for five first-comers	Addv.mpeg
.	.	.	.	
.	.	.	.	
.	.	.	.	
Bonjour	136° 45' 69.81"	34° 20' 50.7"	ladies' day course meal 20% OFF	

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FIG.11



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FIG.12

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node ID	probability value
L131	0. 31
L18	0. 26
L3	0. 18
L52	0. 11

FIG.13

item to be presented	link
Kametani Golf Shop	NULL
Bonjour	NULL
supermarket	C Co-op
	Supermarket Tama- chan

FIG.14

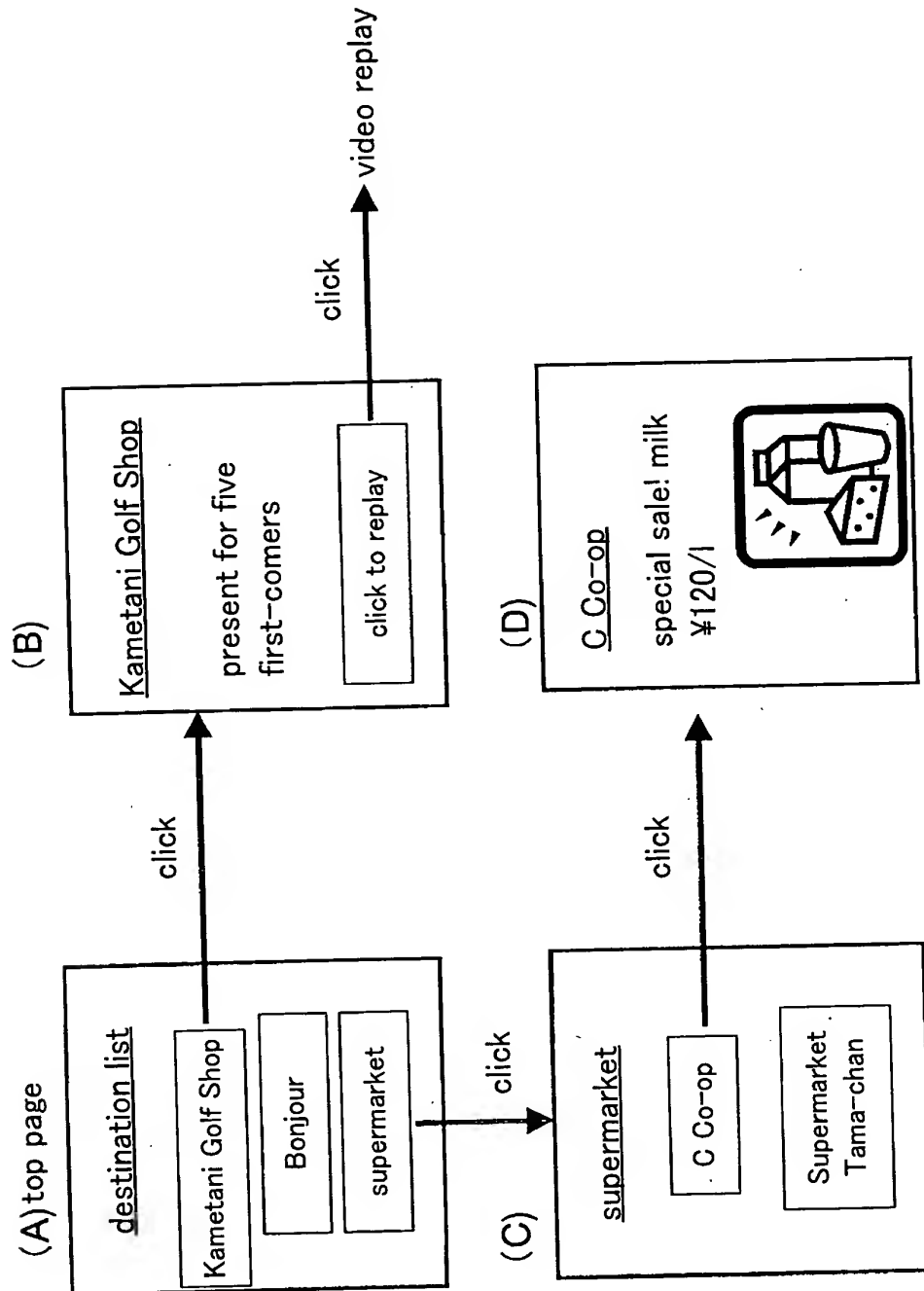
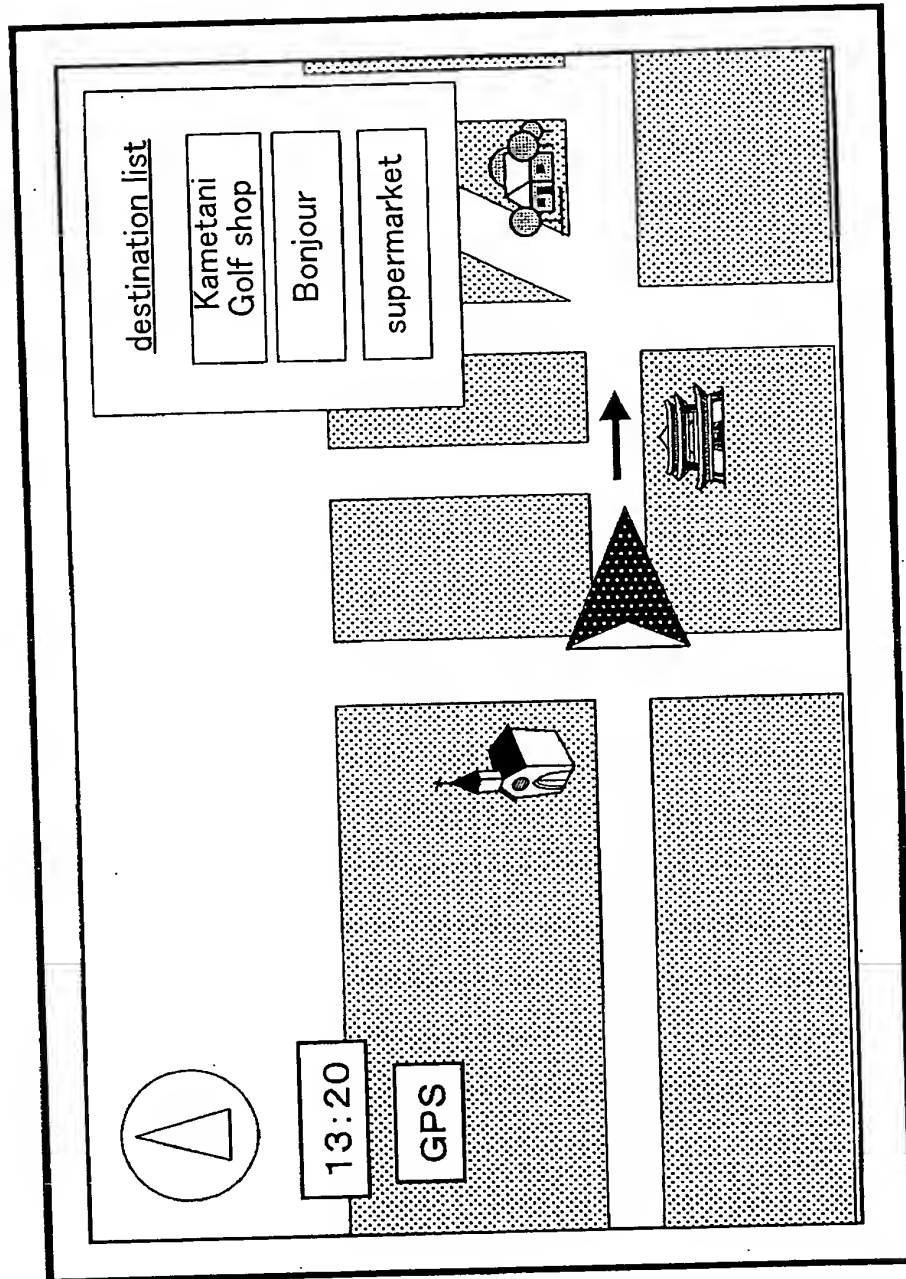


FIG.15



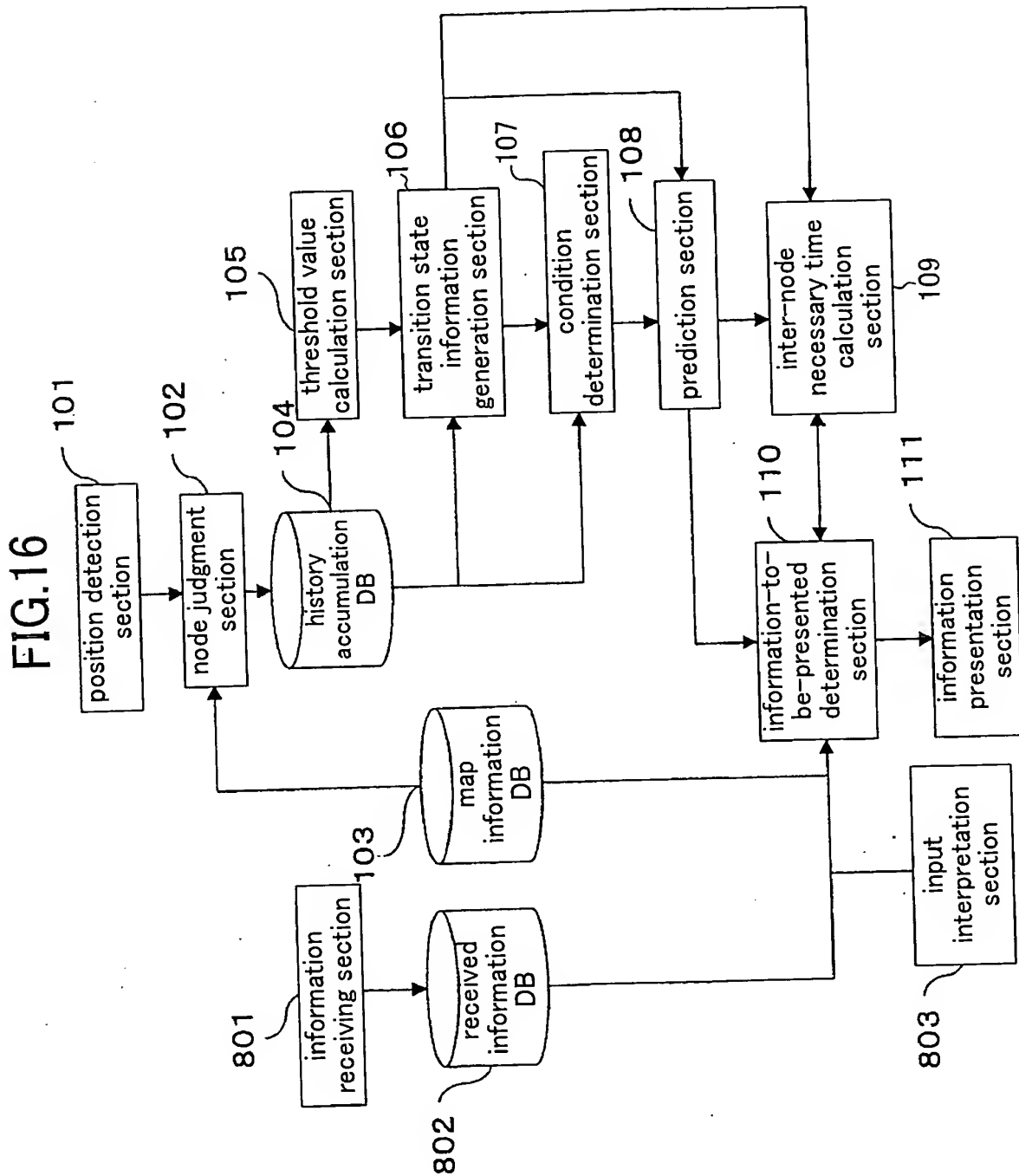
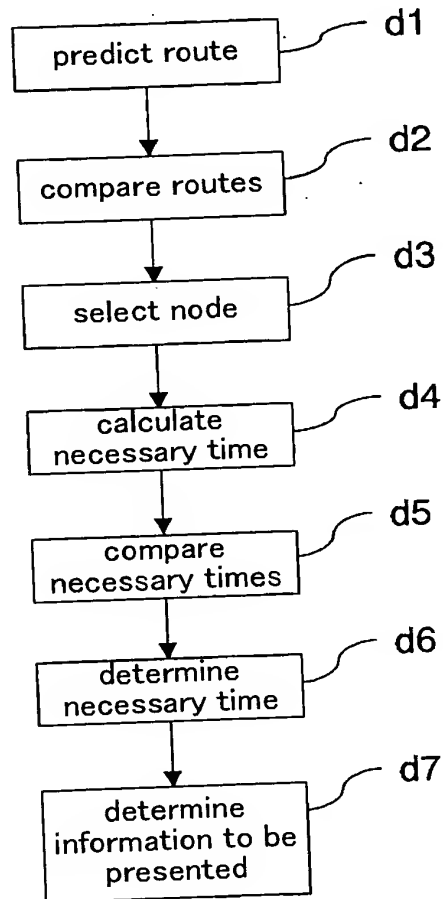


FIG.17



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FIG.18

current node	priority number	predicted route
L8	1	C2→C4→C7→C13→C20→L2
	2	C2→C4→C8→C38→C40→C55 →L43
	3	C2→C4→C8→C38→C40→C15 →C12→L16

FIG.19

road name	section	information
Route No. 163	Sumoto-kita to Sumoto-minami	30 minutes required
Kansai Expressway	East Interchange to West Interchange	accident happened

FIG.20

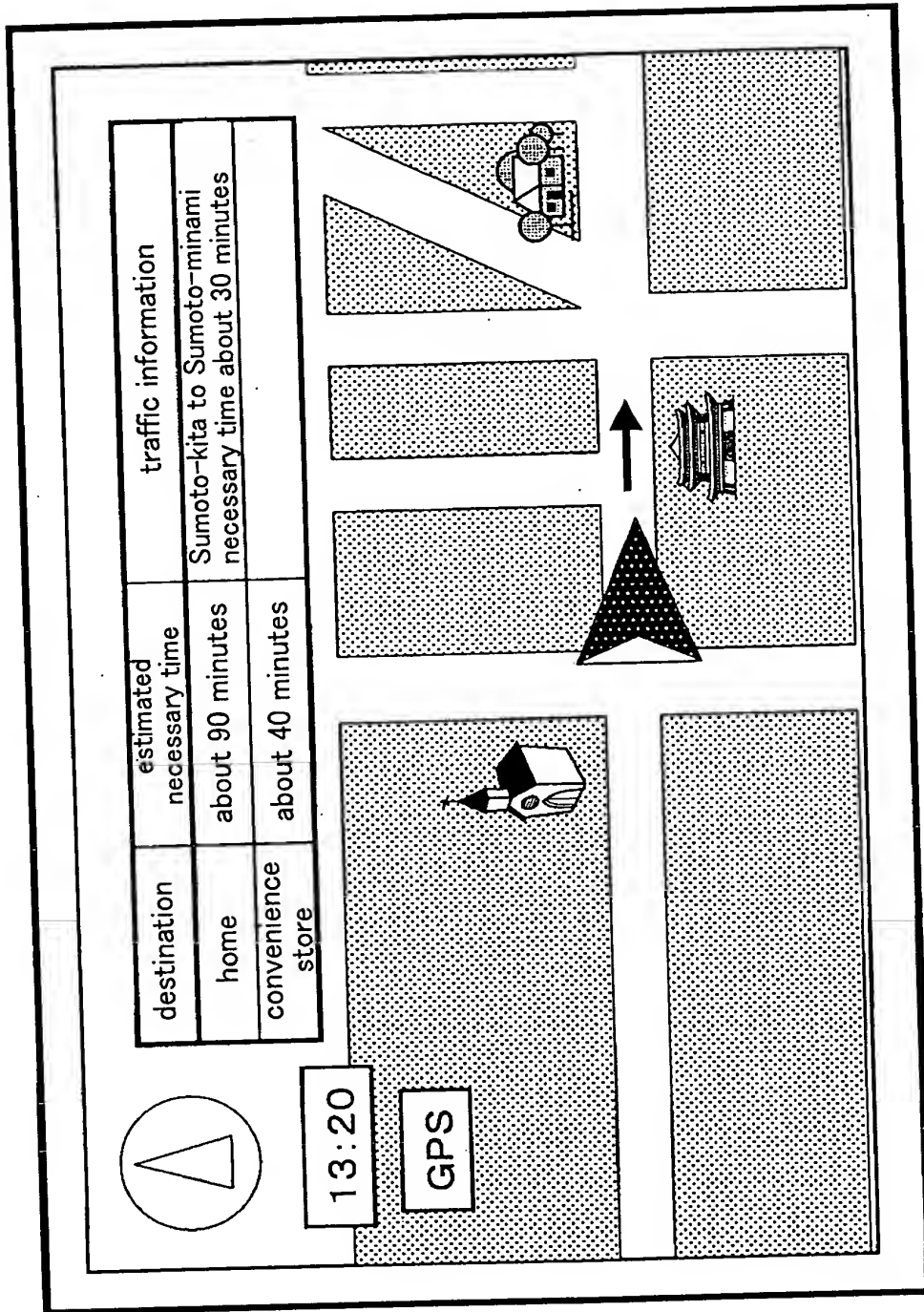


FIG.21

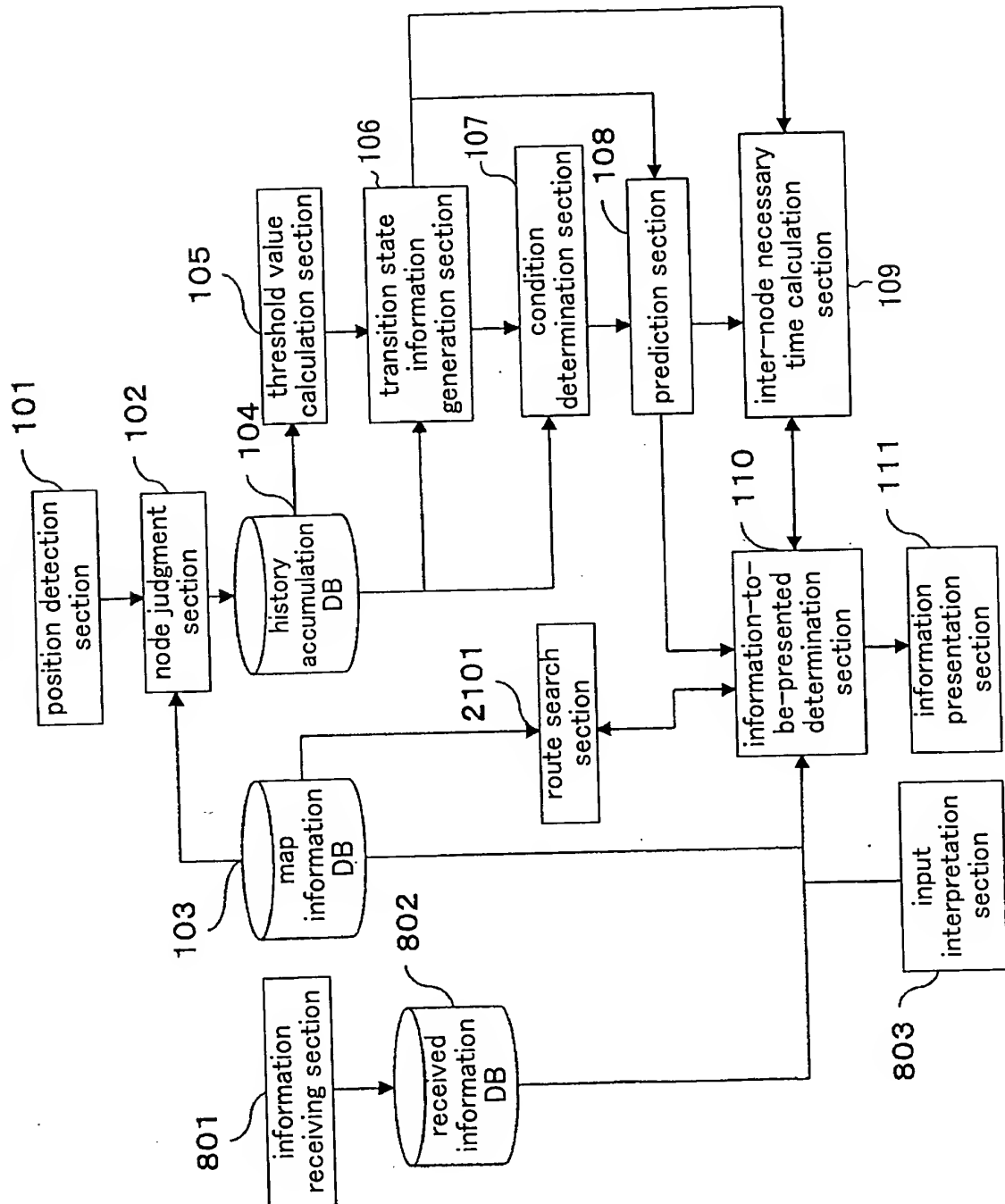
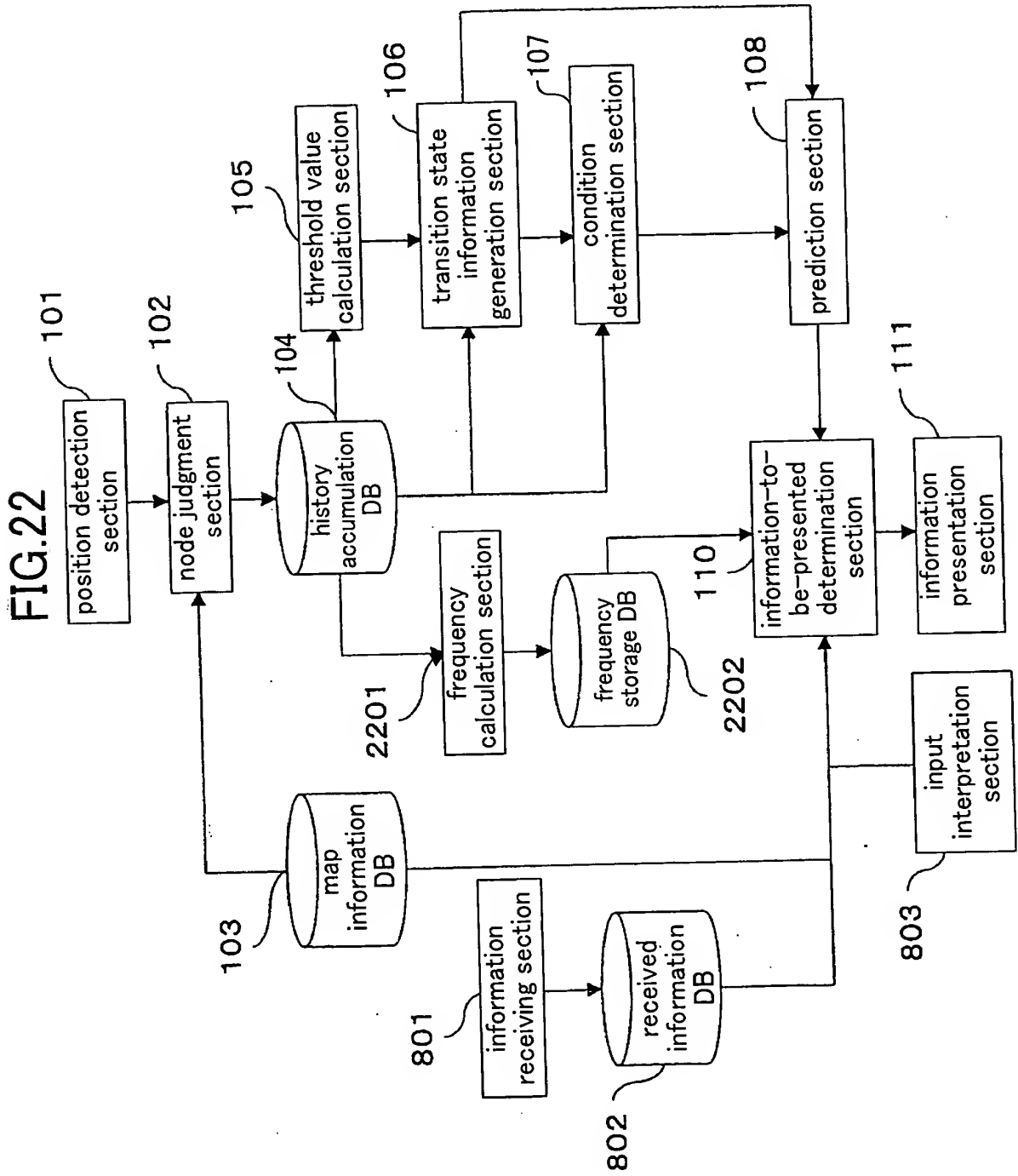


FIG. 22



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FIG.23

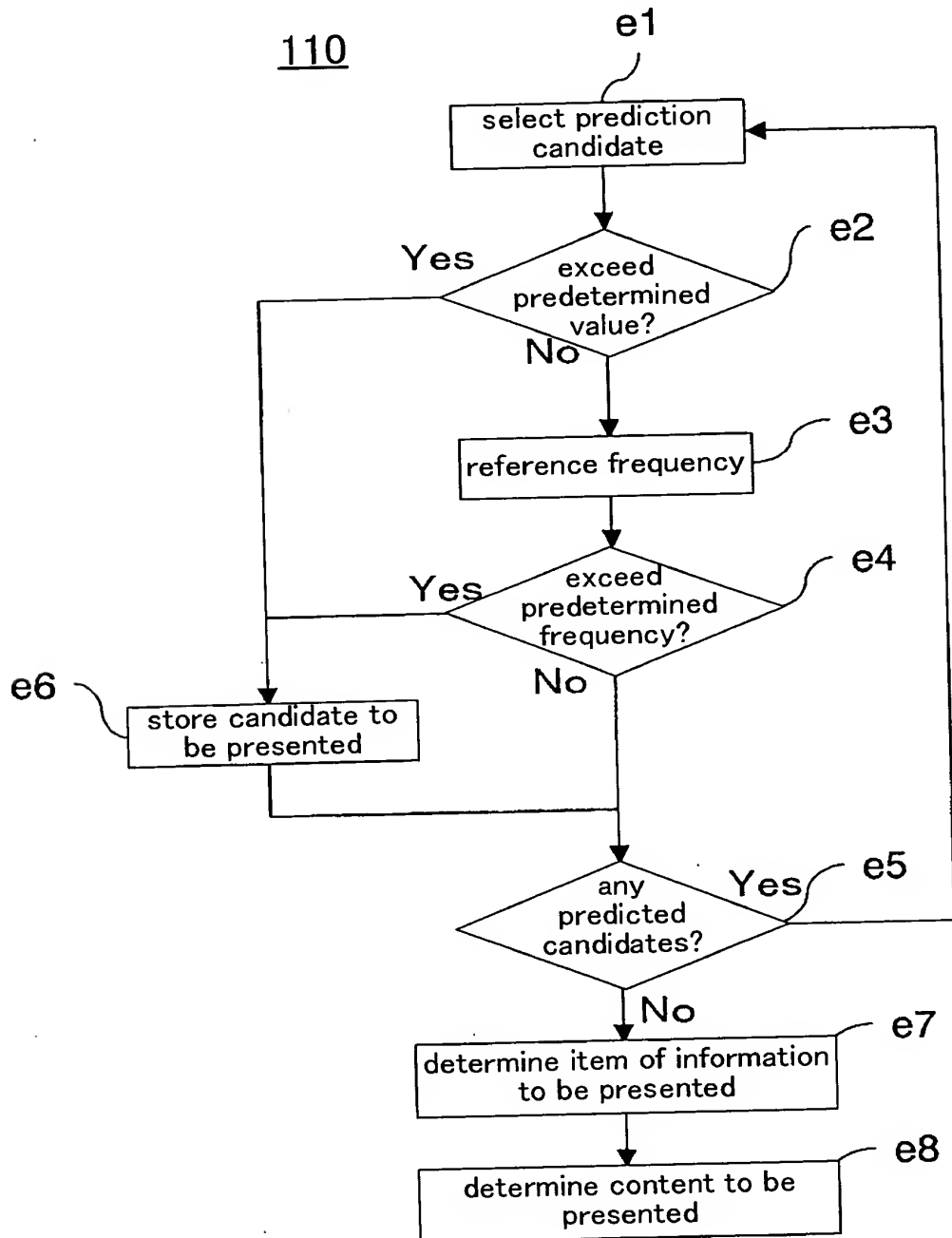
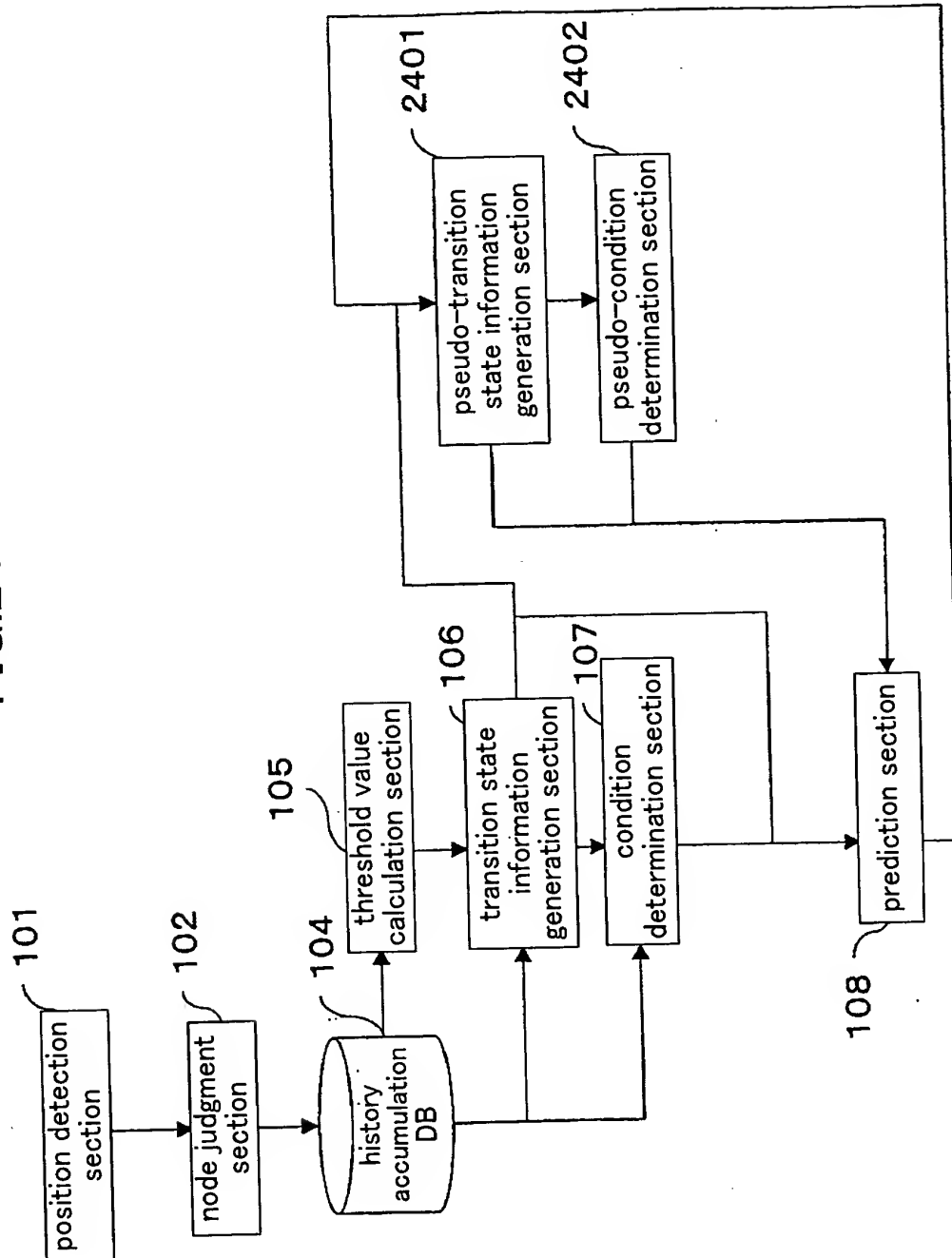
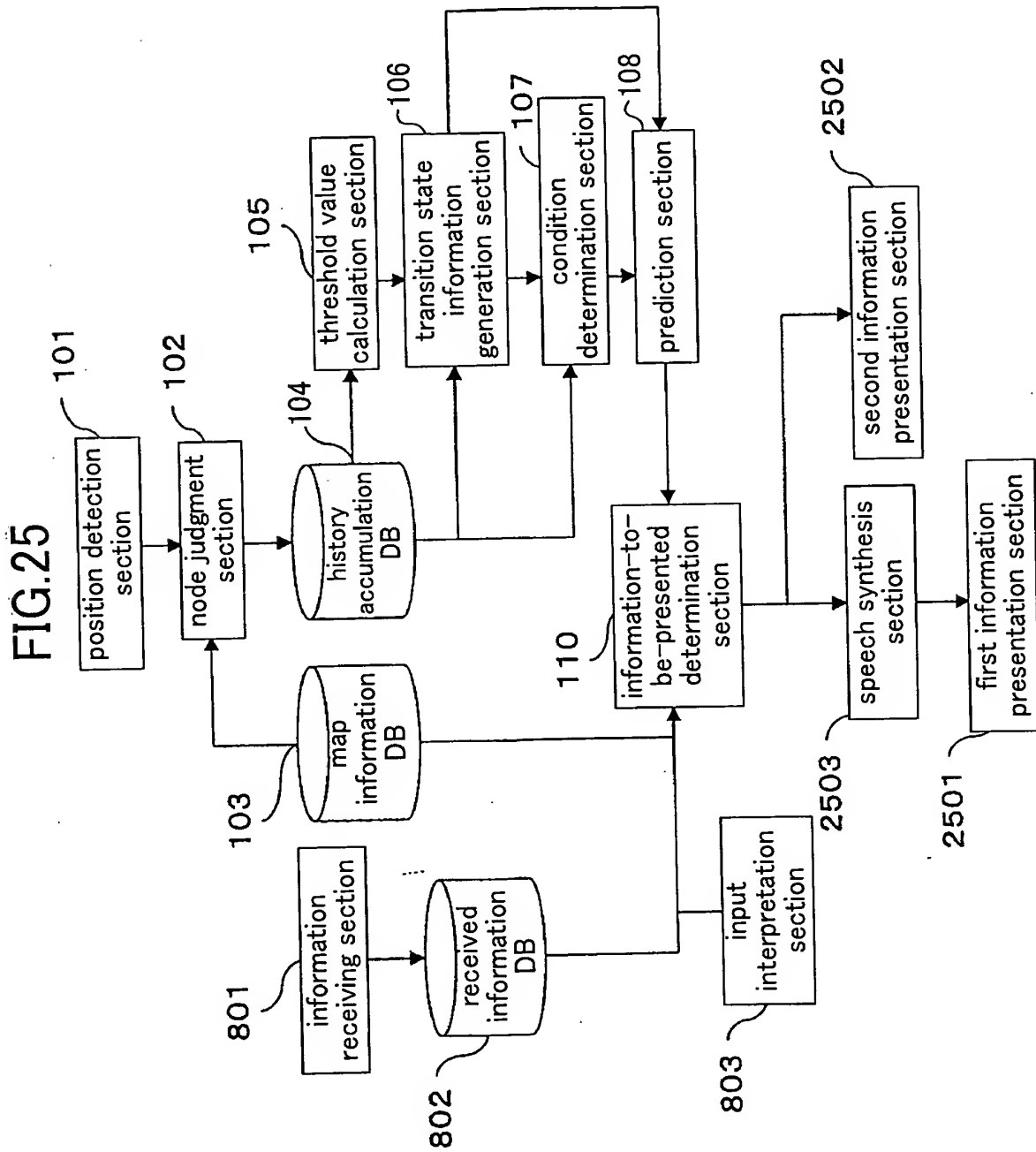


FIG.24





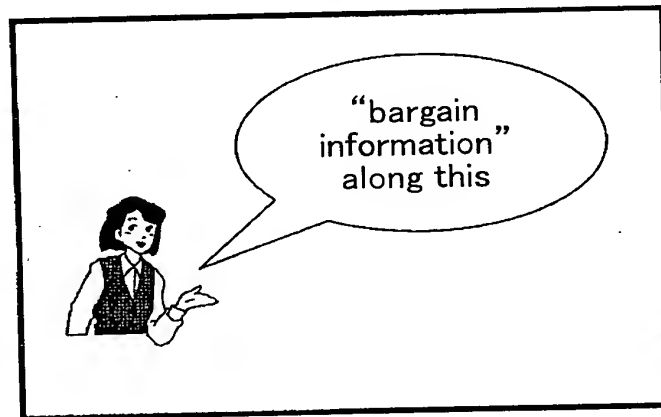
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FIG.26

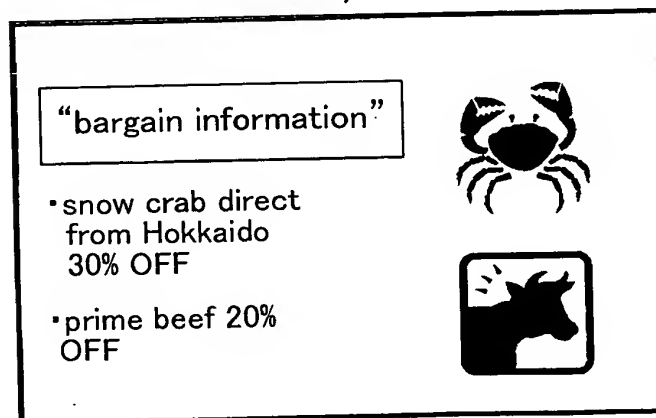
landmark	index	detailed topic	other
F-Mart	bargain information	<ul style="list-style-type: none">• snow crab direct from Hokkaido 30% OFF• prime beef 20% OFF	<ul style="list-style-type: none">• Crab.jpg• Beef.jpg

FIG.27

(A)



(B)



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FIG.28

date condition table

condition	month	date
holiday	June	1, 2, 8, 9, 15, 16, ...
	July	6, 7, 13, 14, 20, 21,
	.	.
weekday	.	.
	.	.
the other days		

time condition table

condition	time
morning	5 a.m. to 11a.m.
afternoon	12 p.m. to 5 p.m.
evening	6 p.m. to 11 p.m.

season condition table

condition	month
spring	March to May
summer	June to August
autumn	September to November
winter	December to March

FIG.29

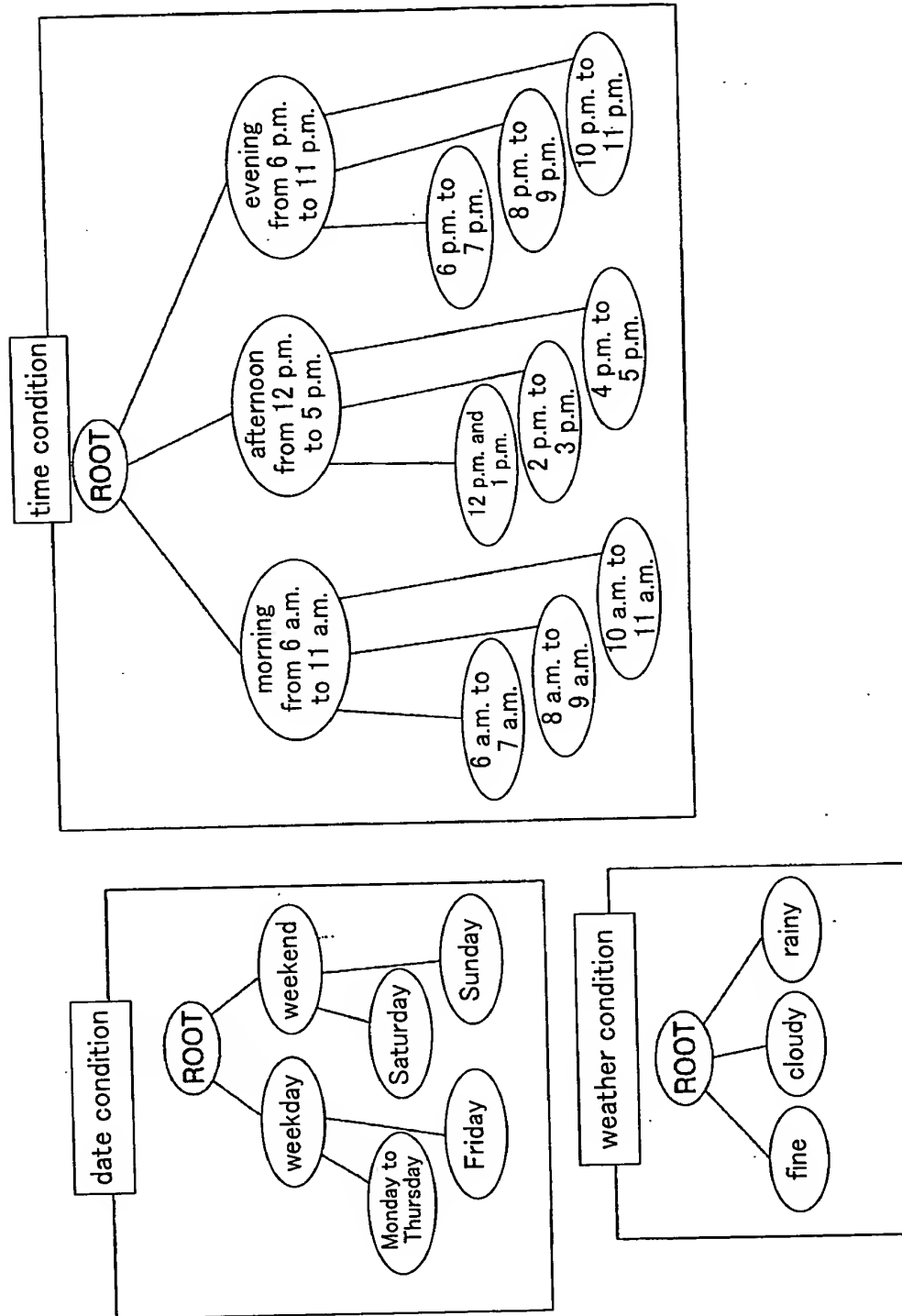


FIG.30

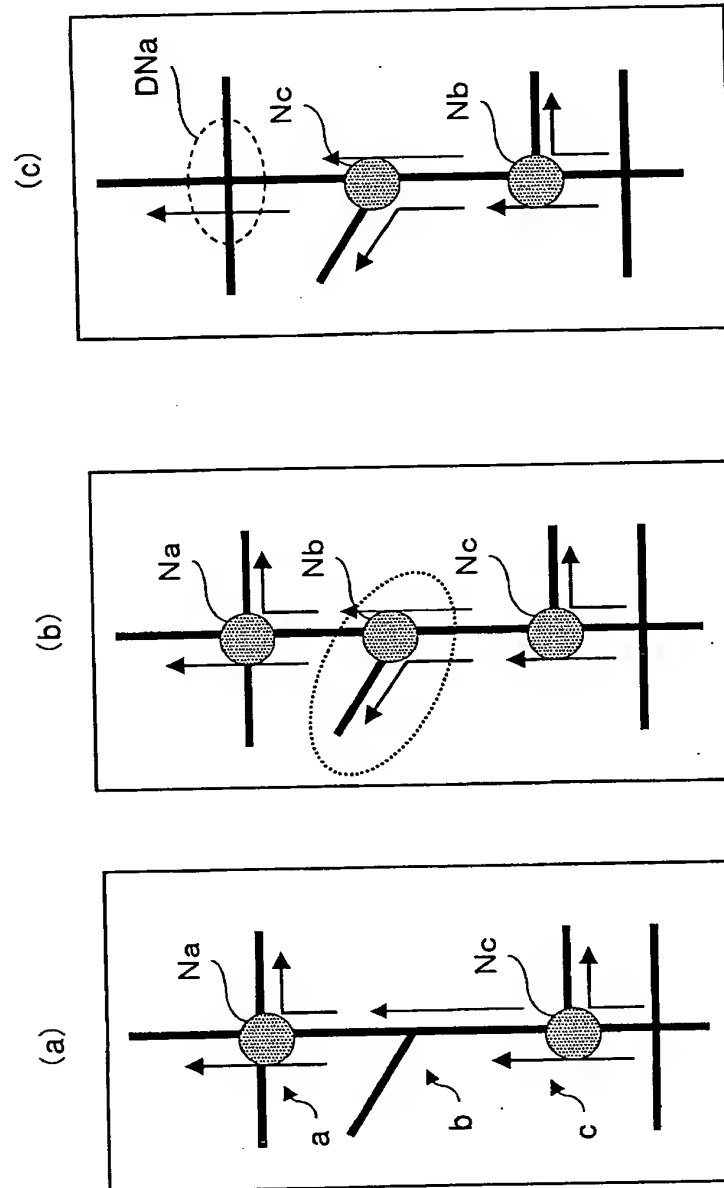


FIG.31

